Roof volume calculations:

Volume 1, hip-to-gable - $V = A \times \frac{B}{2} \times \frac{C}{3}$

$9.5 \times \frac{2.6}{2} \times \frac{4.7}{3} = 19.4m^3$

Volume 2, dormer - $V = \frac{D \times E}{2} \times F$

$\frac{4.5 \times 2.2}{2} \times 4 = 19.8m^3$

Total volume 1 & 2 = $39.2m^3$

Maximum roof extension under Permitted Development: $40m^3$

Notes

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All dimensions shown are indicative and must be double checked on site by the contractor. Any inconsistncies found must be reported to Robert Dye Architects LLP.

DO NOT SCALE FROM THE DRAWING

0 1 2 5m

Rev	Date	Notes
A	25.05.21	Revised to planner request
B	27.05.21	Revised to planner request

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drawing: Proposed Rear Elevation
scale: 1:100
drawn by: OO
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